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March 24, 2000

Ms. Magalie Roman Salas
Secretary
Federal Communications Commission
445 12th St., S.W.
Washington, DC 20554

Re: **Ex Parte Notification**
ET Docket No. 98-153
Ultra-Wideband

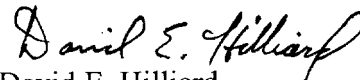
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MAR 24 2000
FEDERAL COMMUNICATIONS COMMISSION
OFFICE OF THE SECRETARY

Dear Ms. Salas:

This is to note that on March 23, 2000, Ralph Petroff, President of Time Domain Corporation, Mimi Dawson of this firm, Jeff Ross of Patton Boggs, and I met with Commissioner Susan Ness and Mr. Mark Schneider, Senior Legal Advisor to Commissioner Ness. Mr. Petroff offered an oral summary of the history of Time Domain Corporation and the development and promise of low powered ultra-wideband wireless technology. We urged the Commission to move forward with the adoption of a notice of proposed rulemaking in this proceeding. To this end, we urged that any such NPRM clearly be open to input on technical issues relating to ultra-wideband including operating spectrum, constraints on operation, and techniques to avoid interference. With respect to building such a record, we noted that we expected that the Commission would have the benefit of testing. In response to questions concerning the need to assess the potential interaction of ultra-wideband signals with GPS, Mr. Petroff noted that there had been discussions with the FAA and offered a copy of the letter of December 22, 1999, to him from the FAA staff, a copy of which is enclosed.

Should any questions arise concerning this matter, please contact me.

Respectfully,



David E. Hilliard
Counsel for Time Domain Corporation

Enclosure: Letter of December 22, 1999, from the FAA
cc: The Honorable Susan Ness and Mark Schneider, Esq. (w/ enclosure)

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U.S. Department
of Transportation
**Federal Aviation
Administration**

800 Independence Ave., S.W.
Washington, D.C. 20591

DEC 22 1999

Mr. Ralph Petroff
President and Chief Executive Officer
Time Domain Corporation
Cummings Research Park
6700 Odyssey Drive
Huntsville, AL 35806

Dear Mr. Petroff:


I would like to thank you for your letter dated October 12, 1999. This letter is my attempt to address the issues raised in that letter and those in our subsequent telephone conversation on October 22, 1999.

We fully support the Federal Communications Commission (FCC) plan to complete a rulemaking that addresses the ultra-wideband (UWB) technology regulatory issues, and the associated electromagnetic compatibility (EMC) testing before the end of the calendar year 2000. As you know, the issue with which we are most concerned is the potential for electromagnetic interference from UWB emissions to the operation of aeronautical radionavigation aids, which are certified by the Federal Aviation Administration (FAA) for use by aviation.

For example, the frequency band in which Global Positioning System (GPS) operates is jointly regulated by the FCC and the National Telecommunications and Information Administration (NTIA). NTIA will be working with the FCC in developing the UWB EMC test plan and rulemaking in the context of compatibility with the Global Navigation Satellite System, of which the GPS is an integral part. This important spectrum issue must be worked through the regulatory process, therefore, the FAA will work with NTIA and FCC to develop a national policy on UWB technologies. Towards this goal, the FAA will support NTIA's testing and rulemaking efforts.

I hope this clarifies the FAA position. We appreciate your continuing interest in aviation safety and hope that we share the goal of ensuring that UWB technology is implemented without degradation to the safety of our Nation's airways. Please feel free to contact me at (202) 267-9710 if you have any additional questions.

Sincerely,


Gerald J. Markey
Program Director for Spectrum
Policy and Management